



## 2021 BICOL REGION MINERAL INDUSTRY AT A GLANCE

The Bicol Region, which comprises the southern peninsula of Luzon including two (2) island provinces, occupies a total land area of 17,633 square kilometers. This area is equivalent to 5.88% of the country's total land mass. It occupies a strategic location in terms of mineral wealth. Reports of geologic reserves in cubic meters of different non-metallic minerals include the following: all kinds of Clay, 348M; Perlite 26M; Pumice, 19M; Bentonite, 0.4M; Limestone, 975M; Marble, 184M; Diatomaceous Earth, 0.7M and Guano and Rock Phosphate, 0.3M.

To-date, there are forty-one (41) patented mining claims with a total area of 500.0246 hectares, twenty-seven (27) approved Mineral Production Sharing Agreement (MPSA) contracts with a total area of 33,398.3482 hectares and three (3) Exploration Permit (EP) with total area of 3,401.2488 hectares which were approved and duly registered with MGB-V.

For CY 2021, the total metallic production was valued at P19.89Billion which represent 96.74% of the overall mineral production that includes the total production of gold valued at P19.70Billion and total production of silver valued at P183.68Million. These are produced by Masbate Gold Project - Filminera Resources Corp. (FRC) / Philippine Gold Processing and Refining Corp. (PGPRC) in Aroroy, Masbate (MPSA-V-095-97, MPSA-255-2007-V Amended I, MPSA-329-2010-V) and Johson Gold Mining Corp (MPSA-V-139-99) in Luklukan, Jose Panganiban, Cam Norte. On the other hand, the total production of the non-metallic minerals was reported at about P669.36Million which represent 3.26% of the overall mineral production.

As reported in MGB R.O.-V CY 2021 Statistical Report for metallic minerals, Gold production has significantly increased by 9.90% from P17.9 Billion in 2020 to P19.7 Billion in 2021 while Silver production has a rate of 28.71% from P142,719,648.90 Million in 2020 to P183,689,395.95 Million in 2021. (*refer to table 1*)

Bicol Regional Metallic Production CY 2021 vs 2020							
Commodity	Unit	2021		2022		Growth Rate	
		Volume	Est. Value (in Pesos)	Volume	Est. Value (in Pesos)	Volume	Est. Value
Gold	kg	6,912.29	19,708,139,700.06	6,367.12	17,932,808,893.92	8.56%	9.90%
Silver	kg	4,622.66	183,689,395.95	4,446.80	142,719,648.90	3.95%	28.71%
<b>Total</b>		<b>11,534.95</b>	<b>19,891,829,096.01</b>	<b>10,813.92</b>	<b>18,075,528,542.82</b>	<b>6.67%</b>	<b>10.05%</b>

TABLE 1

While for non-metallic minerals, the total production recorded for CY 2021 amounted to P669,361,708.99 from P534,682,354.38 in 2020, which showed a significant growth rate increase of 25.19%. (*refer to table 2*)



Bicol Regional Metallic Production CY 2021 vs 2020							
Commodity	Unit	2021		2022		Growth Rate	
		Volume	Est. Value (in Pesos)	Volume	Est. Value (in Pesos)	Volume	Est. Value
Aggregate	cu.m.	500.00	84,193.55	1,500.00	257,300.00	-66.67%	-67.28%
Armor Rock	cu.m.	38,876.00	6,427,193.35	8,564.00	1,425,895.90	353.95%	350.75%
Base Course	cu.m.	2,446.00	214,400.00	723.00	67,050.00	238.31%	219.76%
Bentonite	MT	4,350.00	786,000.00	2,575.00	471,000.00	68.93%	66.88%
Boulder	cu.m.	380,349.50	61,505,721.75	304,551.00	52,560,107.49	24.89%	17.02%
Clay	MT	10,350.00	4,140,000.00	-	-	100.00%	100.00%
Clay for ceramics	cu.m.	10,643.20	3,576,960.00	15,459.00	6,166,075.00	-31.15%	-41.99%
Core Rocks	cu.m.	1,150.00	80,500.00	-	-	100.00%	100.00%
Earthfill	cu.m.	372,530.18	51,166,844.27	258,610.30	35,129,095.40	44.05%	45.65%
Limestone	MT	630,000.00	79,563,600.00	357,015.00	34,248,901.00	76.46%	132.31%
Perlite	MT	4,630.80	1,080,000.00	-	-	100.00%	100.00%
Pumicites	cu.m.	7,945.24	1,394,310.00	15,774.43	4,267,198.50	-49.63%	-67.32%
Sand and Gravel	cu.m.	2,645,605.80	453,158,836.07	2,485,945.00	398,759,531.09	6.42%	13.64%
Silica Sand	cu.m.	12,025.00	2,766,000.00	10,000.00	1,206,000.00	20.25%	129.35%
Shale Clay	MT	65,345.00	3,417,150.00	2,484.00	124,200.00	2530.64%	2651.33%
<b>Total</b>		<b>4,186,746.72</b>	<b>669,361,708.99</b>	<b>3,463,200.73</b>	<b>534,682,354.38</b>	<b>20.89%</b>	<b>25.19%</b>

TABLE 2

In terms of contribution by province in the overall mineral production the following are the contribution: For Metallic Production Masbate contributed 96.74% and Camarines Norte .004%. For Non-Metallic Production Albay contributed 2.78%; Camarines Norte contributed 0.38%; Camarines Sur .04%; Catanduanes .02%; Masbate .02% and Sorsogon 0.02%. (refer to tables 3 and 4)

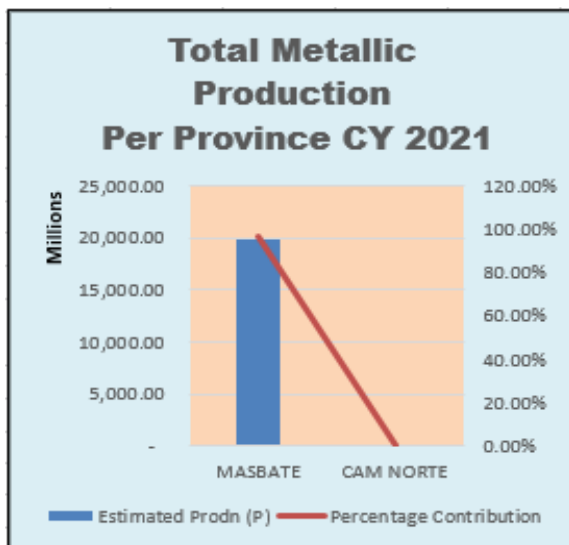


TABLE 3

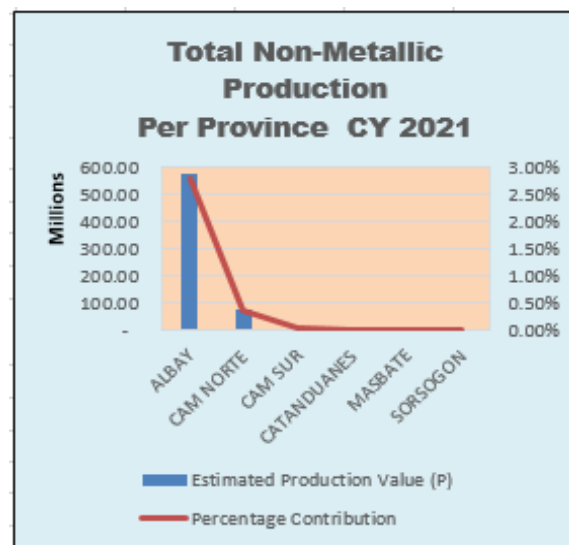


TABLE 4



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In terms of job generation, the total average workforce in the mining sector (large scale) in 2020 was at 2,121 employees, while in 2021 it increased to 2,241 employees showing a growth rate of 3.37%. Furthermore, the total revenues (national, excise and other fees) collected from mining and quarrying operations for the fiscal year 2021 amounted to approximately P3.6Billion.

*(Source: CY2021 Statistical Profile/MMD/Mineral Economics/March 9, 2022)*

**APPROVED FOR RELEASED**

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